

## Figure 1

0

u+m/

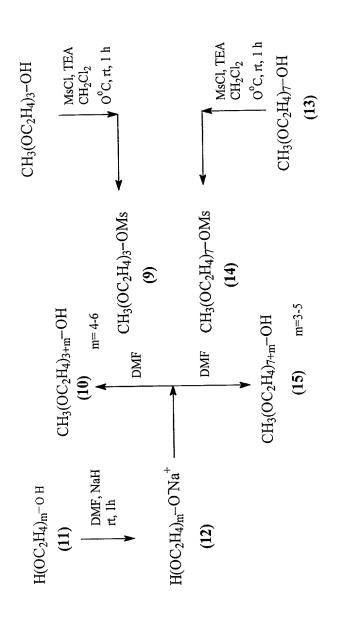


Figure 2

## Figure 3

(21)

45 - 62%

(22)

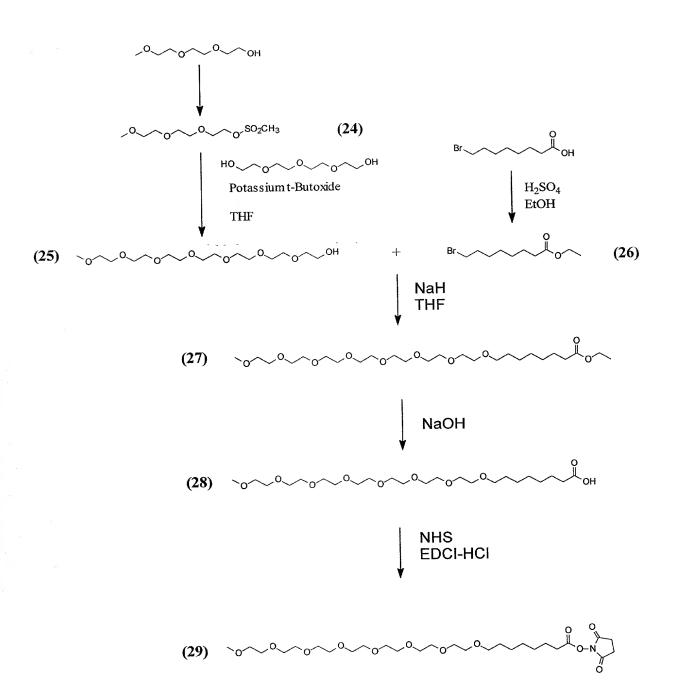


Figure 4

Figure 5

Figure 6

Figure 7

$$CH_{3}(OC_{2}H_{4})_{3}-OH + CI CI$$

$$CH_{3}(OC_{2}H_{4})_{3}-O CI + TEA$$

$$DCM$$

$$H^{2} O N$$

$$CH_{3}(OC_{2}H_{4})_{3}-O N$$

$$O N$$

$$O$$

Figure 8

 $CH_3(CH_2)_{14}COOH$  + EDCl +  $H(OC_2H_4)_3$ -OH DCM/12h; R.T.

Figure 9

(50) 
$$CH_3(OC_2H_4)_6-OH + Cl$$

(51)  $CH_3(OC_2H_4)_6-O$ 

Cl + TEA

DCM

 $H^{O}$ 
 $H^{O}$ 

Figure 10

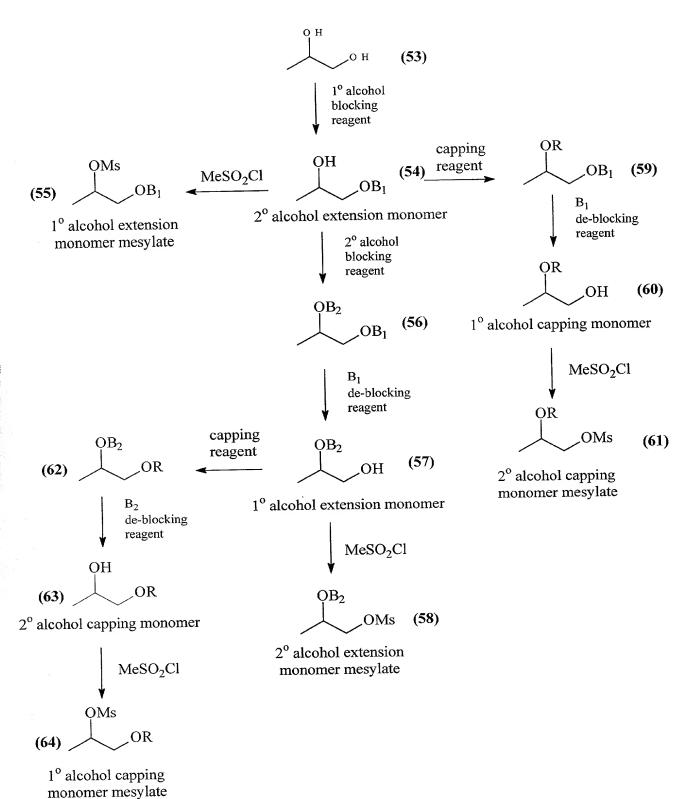
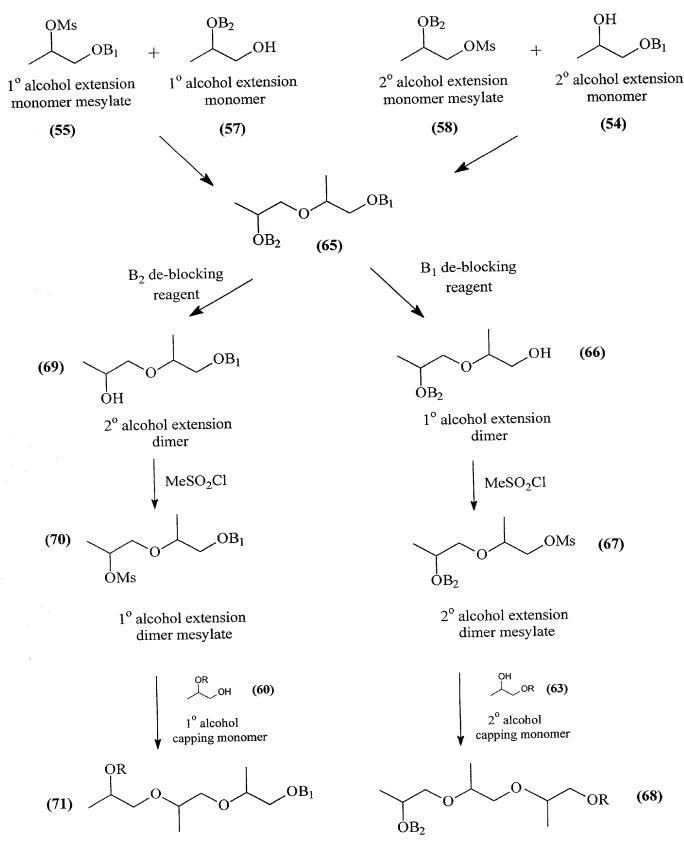


Figure 11



capped/blocked 1° alcohol extension trimer

capped/blocked 2° alcohol extension trimer

Figure 12

Figure 13

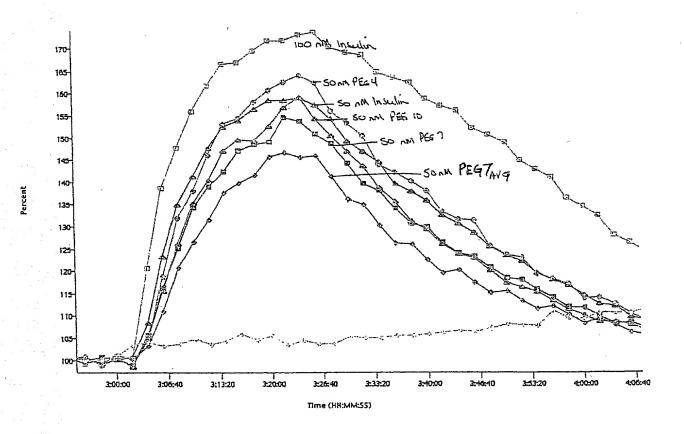


Figure 14

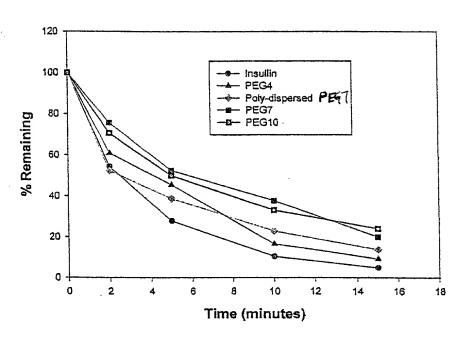


Figure 15

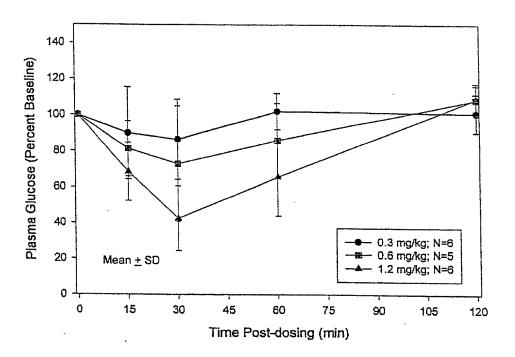


Figure 16

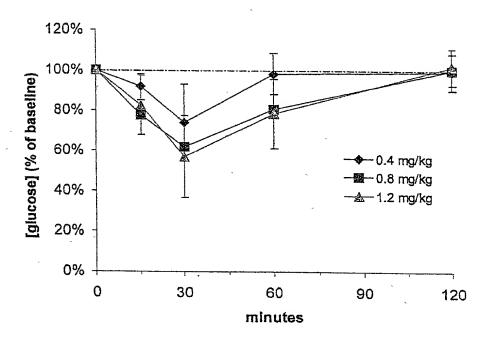


Figure 17

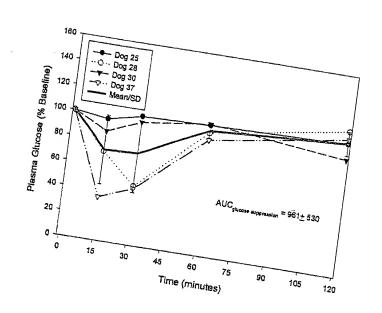


Figure 18

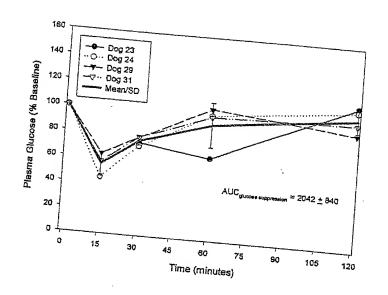


Figure 19

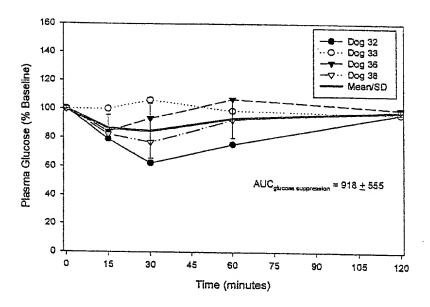


Figure 20

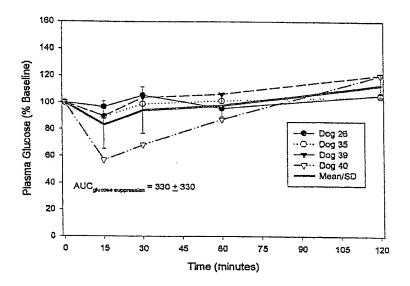


Figure 21